

# MATERIAL SAFETY DATA SHEET

A Product Of: Date: 1-1-2005  
Arrow Paper Corporation Ref. No.:  
P.O. Box 1001 Telephone: 1-888-622-7769  
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## SECTION I - PRODUCT IDENTIFICATION

Trade Names: Patriot Grease & Oil Remover

Chemical name / synonyms: Water base alkaline detergent

Formula: Mixture

D.O.T.: Non hazardous, no UN Number is required

HMIS CODE: Health 1, Fire 0, Reactivity 0

HMIS KEY: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=insignificant

## SECTION II - HAZARDOUS INGREDIENTS

Substance	% Composition	TLV
Dipropylene Glycol Methyl Ether	< 12	100 ppm
CAS # 34590-94-8		

## SECTION III - PHYSICAL DATA

Boiling Pt (°F): 212	Specific Gravity: 1.04 (+/- .02)
Vapor Pressure (mm Hg): NA	VOC (% wt): 4
Vapor Density (air=1) : NA	Evaporation Rate (water=1): 1
Solubility in water: complete	pH: 12 - 12.5
Appearance and Odor: Clear color, characteristic faint odor	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Pt (°F): None	Flammable limits in air (vol%)
test method: tables	Upper: NA Lower: NA
Extinguishing Media: None flammable	
Special fire fighting procedures: NA	
Unusual fire and explosion hazard: NA	

## SECTION V - HEALTH HAZARD DATA - ROUTES OF ENTRY

Threshold Limit Value: See Section II

Primary Route(s) of Entry: Eye contact. Skin Contact. Inhalation of mist if sprayed.

Health Hazard (Acute and Chronic): Although pH alone is not a precise indicator of irritation potential, this product should be handled as possibly irritating to eyes base on pH.

Signs And Symptoms Of Overexposure: EYES- Tearing, stinging, redness. SKIN- Stinging, redness, some swelling possible. INHALATION- Coughing, soreness in respiratory tract, chest tightness, difficulty breathing. Conditions Generally Recognized As Being Aggravated By Exposure: Persons with pre-existing skin disorders may be more susceptible to irritating effects. Persons with pre-existing lung disorders may be more susceptible to irritating effects.

Emergency And First Aid Procedures: EYES- Immediately flush with plenty of cool water for at least 15 minutes while holding the eyelids open. Do not attempt neutralizing with chemical agents. Contact a physician immediately. SKIN- Immediately remove contaminated clothing and flush area with large quantities of water for at least 15 minutes. Do not attempt neutralizing with chemical agents. Contact a physician if irritation develops. INGESTION- If patient conscious, give several glasses of water for dilution effect and contact a physician. Do not induce

vomiting. Do not give an unconscious person anything by mouth. INHALATION- Remove from contaminated atmosphere. If breathing has stopped, give artificial respiration then oxygen if needed. Contact a physician.

## SECTION VI - REACTIVITY DATA

Stability: stable Conditions to avoid: Avoid mixing concentrate with strong acids. Hazardous decomposition products: carbon monoxide and unidentified organic compounds may be formed during combustion. Hazardous polymerization products: Will not occur. Conditions to avoid: Mixing with strong acids.

## SECTION VII - SPILL OR LEAK PROCEDURE

Steps to be taken if material is released or spilled: Large spills: Dike and contain. Place in nonleaking containers for disposal agency. Small spills: soak or mop up. Small spills may be flushed to sewer. Waste disposal method: Small quantities will evaporate readily. Large amounts should be given to licensed disposal agency.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved respirator for alkaline solutions if product is to be sprayed.  
Ventilation -local exhaust: recommended  
-mechanical exhaust: recommended  
Protective gloves: rubber  
Eye protection: chemical goggles if contact is likely.  
Other protective equipment: none

## SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Store above 35°F. Keep container tightly closed when not in use.  
Other precautions: KEEP OUT OF REACH OF CHILDREN.

NA means Not Applicable on this form.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or

method of application which is not described in the Product Data Sheet or on the Product Label is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Regulations and Massachusetts Right to Know Law.